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Government
Publications

HIGHER EDUCATION IN ONTARIO

Some Vital Statistics

1990



Ministry of
Colleges and
Universities

Sean Conway, Minister



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Colleges of Applied Arts and Technology

Algonquin (*Ottawa*)
Cambrian (*Sudbury*)
Canadore (*North Bay*)
Centennial (*Scarborough*)
Conestoga (*Kitchener*)
Confederation (*Thunder Bay*)
Durham (*Oshawa*)
Fanshawe (*London*)
George Brown (*Toronto*)
Georgian (*Barrie*)
Humber (*Toronto*)

Lambton (*Sarnia*)
La Cité collégiale (*Ottawa*)*
Loyalist (*Belleville*)
Mohawk (*Hamilton*)
Niagara (*Welland*)
Northern (*South Porcupine*)
St. Clair (*Windsor*)
St. Lawrence (*Brockville*)
Sault (*Sault Ste. Marie*)
Seneca (*Toronto*)
Sheridan (*Oakville*)
Sir Sandford Fleming (*Peterborough*)

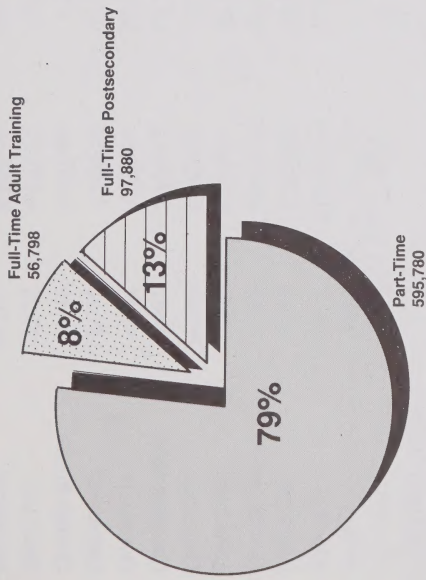
*La Cité collégiale (*Ottawa*) is expected to open in September 1990.

Legislative Base and Governmental Structure of the Colleges

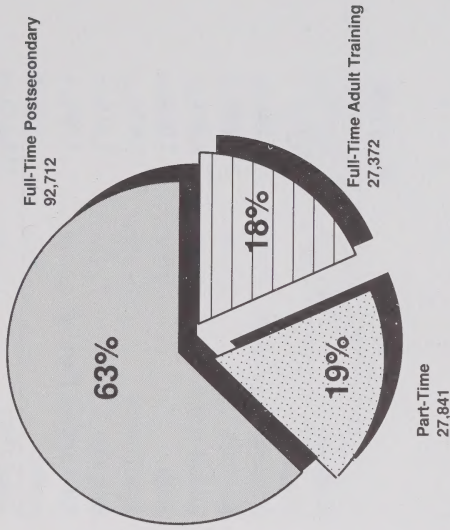
The current legislative structure supporting the Ontario college system is intended to provide a balance between local initiative in responding to community needs and central co-ordination of the system province-wide. The Ministry of Colleges and Universities Act and accompanying regulations, particularly Regulation 640 as amended, are the primary legislative documents defining the scope and role of the participants comprising the college system. The Act provides that the Minister of Colleges and Universities has the power to “establish, name, maintain, conduct and govern” the colleges subject to the approval of the Lieutenant Governor-in-Council. Besides defining the role of the Minister, the Act provides for the establishment of the Council of Regents, college boards of governors, and program advisory committees.

Enrolment at Colleges of Applied Arts and Technology

Distribution of individuals by type of program, 1988-89



Distribution of the volume of training provided (full-time equivalent enrolment), by type of program, 1988-89



Part-time students represented over three-quarters of the individuals served by the college system in 1988-89. The training provided to part-time students, however, accounted for only 19 per cent of total training.

Full-Time Enrolment in Colleges of Applied Arts and Technology

Fall Term 1989

	Total 1989	Total 1989
Algonquin	10,028	Mohawk 7,709
Cambrian	3,695	Niagara 3,574
Canadore	2,668	Northern 1,746
Centennial	6,731	St. Clair 4,302
Conestoga	4,287	St. Lawrence 4,911
Confederation	2,964	Sault 2,059
Durham	3,077	Seneca 9,674
Fanshawe	7,118	Sheridan 7,514
George Brown	9,027	Sir Sandford Fleming 3,984
Georgian	4,197	
Humber	9,174	
Lambton	2,089	
Loyalist	2,595	
		Total 1989 113,123

Part-Time Registrations in Colleges of Applied Arts and Technology, 1989*

	Postsecondary	Non-Postsecondary	Total		Postsecondary	Non-Postsecondary	Total
Algonquin	24,107	45,443	69,550	Mohawk	15,714	46,446	62,160
Cambrian	3,852	16,064	19,916	Niagara	7,617	22,188	29,805
Canadore	1,476	5,789	7,265	Northern	3,048	6,557	9,605
Centennial	12,735	34,605	47,340	St. Clair	13,559	27,074	40,633
Conestoga	2,052	35,844	37,896	St. Lawrence	15,798	14,277	30,075
Confederation	5,441	13,488	18,929	Sault	5,028	4,694	9,722
Durham	4,680	17,892	22,572	Seneca	25,568	59,278	84,846
Fanshawe	3,818	50,427	54,245	Sheridan	30,038	40,821	70,859
George Brown	9,598	51,206	60,804	Sir Sandford Fleming	4,945	11,205	16,150
Georgian	4,298	23,844	28,142				
Humber	18,073	70,410	88,483				
Lambton	2,916	10,588	13,504				
Loyalist	3,374	8,751	12,125				
				Totals	217,735	616,891	834,626

*Represents cumulative course registrations for the calendar year 1989.

Full-Time Postsecondary College Graduates by Division, 1988-89

	Technology	Business	Arts	Health	Total		Technology	Business	Arts	Health	Total
Algonquin	376	627	723	523	2,249	Mohawk	235	410	321	427	1,393
Cambrian	130	245	307	174	856	Niagara	136	251	316	164	867
Canadore	142	207	135	136	620	Northern	80	154	105	48	387
Centennial	333	496	318	168	1,315	St. Clair	247	309	248	376	1,180
Conestoga	150	256	173	268	847	St. Lawrence	82	270	231	182	765
Confederation	165	207	274	119	765	Sault*	159	51	55	16	281
Durham	122	342	187	177	828	Seneca	316	926	638	256	2,136
Fanshawe	328	579	443	433	1,783	Sheridan	127	442	624	78	1,271
George Brown*	337	551	770	647	2,305	Sir Sandford Fleming	524	318	172	47	1,061
Georgian	117	331	376	279	1,103						
Humber	253	502	628	414	1,797						
Lambton*	67	112	130	20	329	Total	4,515	7,757	7,514	5,051	24,837
Loyalist	89	171	340	99	699						

*Represents preliminary figures.

Full-Time Staff in Colleges of Applied Arts and Technology

Fall 1989

	Academic Staff	Admin. Staff	Support Staff	Total
Algonquin	748	128	524	1,400
Cambrian	337	86	245	668
Canadore	194	47	170	411
Centennial	478	133	302	913
Conestoga	389	75	244	708
Confederation	245	120	249	614
Durham	233	63	140	436
Fanshawe	541	112	402	1,055
George Brown	697	100	496	1,293
Georgian	298	127	166	591
Humber	609	145	477	1,231
Lambton	132	40	95	267
Loyalist	180	40	129	349
Mohawk	572	177	318	1,067
Niagara	264	67	172	503
Northern	161	57	150	368
St. Clair	317	75	237	629
St. Lawrence	343	87	277	707
Sault	198	58	156	412
Seneca	698	151	570	1,419
Sheridan	443	122	371	936
Sir Sandford Fleming	279	58	169	506
Total	8,356	2,068	6,059	16,483

General and Specific Purpose Operating Grants

The Government of Ontario annually allocates a fixed amount of money as operating support for colleges of applied arts and technology. Specific-purpose grants (e.g., funds for instructional equipment purchases and premise rentals, grants for French-language programming, termination gratuities, etc.) are determined and taken “off the top” of the total operating grant available. The remainder (approximately 92% of the operating support available) is distributed among the colleges through the funding distribution mechanism.

With the exception of high priority funding, the funding distribution mechanism uses a simple average of activity in the two most recent years to determine the distribution of this operating grant. Activity is measured in terms of “Funding Units”; a funding unit is defined as “the instructional activity associated with a full-time student in a normal program for one (two-semester) academic year”. Colleges’ shares are then

adjusted to reflect geographic and economy of scale factors. Concurrent, high priority funding is made available to colleges in those exceptional cases in which the government specifically requests a college to introduce a new program or expand an existing one.

Total Operating Grants to Colleges of Applied Arts and Technology, 1989-90

	Total \$	Total \$
Algonquin	65,915,560	Mohawk 47,164,921
Cambrian	26,947,964	Niagara 21,444,892
Canadore	17,095,835	Northern 14,088,226
Centennial	41,252,202	St.Clair 25,122,447
Conestoga	25,565,811	St.Lawrence 30,069,647
Confederation	20,540,483	Sault 14,011,545
Durham	17,217,411	Seneca 62,236,945
Fanshawe	42,900,325	Sheridan 42,570,589
George Brown	54,687,521	Sir Sandford Fleming 22,167,766
Georgian	25,769,918	
Humber	53,547,972	
La Cité collégiale	3,699,145	
Lambton	10,223,436	
Loyalist	15,088,764	
		Total 699,329,325

Total Provincial Capital Funding to Colleges of Applied Arts and Technology, 1985-86 to 1989-90

	Total Capital 1985/86 (000s) \$	Total Capital 1986/87 (000s) \$	Total Capital 1987/88 (000s) \$	Total Capital 1988/89 (000s) \$	Total Capital 1989/90 (000s) \$	Total Capital 1985/86- 1989/90 (000s) \$
Algonquin	1,481	1,913	1,738	1,359	3,777	10,268
Cambrian	498	1,137	3,223	1,552	337	6,747
Canadore	1,104	4,326	4,607	387	785	11,209
Centennial	628	1,011	1,000	4,530	5,563	12,732
Conestoga	845	6,513	3,336	441	440	11,575
Confederation	1,313	381	826	1,324	2,316	6,160
Durham	595	2,292	335	1,736	1,537	6,495
Fanshawe	1,165	1,142	737	799	1,597	5,440
George Brown	801	3,642	2,583	780	788	8,594
Georgian	1,983	2,526	473	1,888	1,882	8,752
Humber	982	909	2,830	3,385	2,488	10,594
Lambton	160	269	230	227	824	1,710
Loyalist	792	422	357	279	276	2,126

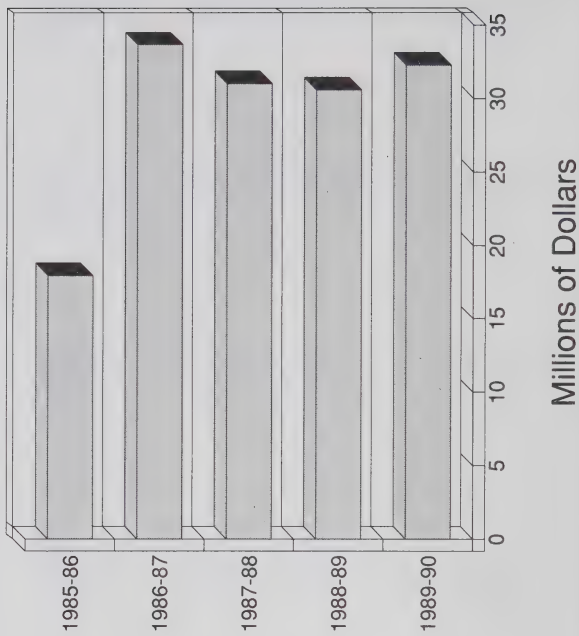
Total Provincial Capital Funding to Colleges of Applied Arts and Technology, 1985-86 to 1989-90 (cont'd.)

	Total Capital 1985/86 (000s) \$	Total Capital 1986/87 (000s) \$	Total Capital 1987/88 (000s) \$	Total Capital 1988/89 (000s) \$	Total Capital 1989/90 (000s) \$	Total Capital 1985/86 - 1989/90 (000s) \$
Mohawk	1,043	789	644	637	843	3,956
Niagara	373	532	809	3,696	2,573	7,983
Northern	351	390	637	240	234	1,852
St. Clair	312	758	638	2,310	412	4,430
St. Lawrence	988	551	458	456	448	2,901
Sault	823	1,062	287	278	1,321	3,771
Seneca	806	899	2,504	3,015	2,236	9,460
Sheridan	659	1,653	2,424	547	549	5,832
Sir Sandford Fleming	261	579	364	734	1,074	3,012
Total	17,963	33,696	31,040	30,600	32,300	145,599

Total Provincial Capital Funding to Colleges of Applied Arts and Technology, 1985-86 to 1989-90 (cont'd.)

Total Capital Funding

1985-86	\$17,963,000
1986-87	33,696,000
1987-88	31,040,000
1988-89	30,600,000
1989-90	32,300,000



Institutions in Ontario's University System that Receive Funding Directly from the Province

Brock University (*St. Catharines*)

Carleton University (*Ottawa*)

Collège dominicain (*Ottawa*)

University of Guelph (*Guelph*)

Lakehead University (*Thunder Bay*)

Laurentian University (*Sudbury*)

- Algoma College (*Sault Ste. Marie*)

- Collège de Hearst (*Hearst*)

- Nipissing College (*North Bay*)

McMaster University (*Hamilton*)

Ontario College of Art (*Toronto*)

University of Ottawa (*Ottawa*)

Queen's University (*Kingston*)

Ryerson Polytechnical Institute (*Toronto*)

University of Toronto (*Toronto*)

Ontario Institute for Studies in Education (*Toronto*)

Trent University (*Peterborough*)

University of Waterloo (*Waterloo*)

University of Western Ontario (*London*)

Wilfrid Laurier University (*Waterloo*)

University of Windsor (*Windsor*)

York University (*Toronto*)

Legislative Base and Governmental Structure of Universities in Ontario

Each provincially-assisted university operates under its own Act of the Legislature, and is autonomous with respect to academic policies, administration of programs, appointment of staff, and admissions.

A two-tier or bicameral system of governance is in effect at all but one university in Ontario. Once an institution is legally chartered, its corporate powers are vested in a governing body, generally known as the board of governors. Responsibility for all academic matters as a rule is assigned to the senate.

The university chancellor is the titular head of the institution. He or she may be elected, appointed or serve in the post in an ex-officio capacity, depending on the university charter. The post is honorary. Executive authority is vested in the office of president, rector or principal.

Enrolment in Ontario's University System (Undergraduate)

Full-Time Undergraduate Students – Fall 1989

	Male	Female	Total
Brock University	2,267	2,944	5,211
Carleton University	6,970	5,673	12,643
University of Guelph	4,516	6,102	10,618
Lakehead University	1,848	1,817	3,665
Laurentian University	2,233	3,212	5,445
McMaster University	5,315	5,793	11,108
University of Ottawa	5,886	7,427	13,313
Queen's University	5,175	5,712	10,887
University of Toronto	15,472	16,294	31,766
Trent University	1,330	2,216	3,546
University of Waterloo	9,115	6,286	15,401

Part-Time Undergraduate Students – Fall 1989

	Male	Female	Total
	1,344	2,644	3,988
	2,050	2,487	4,537
	776	1,150	1,926
	596	1,425	2,021
	1,132	3,417	4,549
	966	2,203	3,169
	2,557	5,031	7,588
	1,233	2,418	3,651
	4,521	7,634	12,155
	467	1,084	1,551
	2,148	4,143	6,291

(cont'd. on page 16)

Note:

1. Enrolments are headcounts for the fall term.
2. Source: The combined University Student Information System/University Affairs Report System (USIS/UAR).
3. Enrolments for Algoma, Hearnst, and Nipissing colleges are included in Laurentian's enrolment.
4. OISE students are included in the University of Toronto's enrolment.

Enrolment in Ontario's University System (Undergraduate) (cont'd.)

Full-Time Undergraduate Students – Fall 1989

	Male	Female	Total
University of Western Ontario	9,874	10,088	19,962
University of Windsor	4,567	4,419	8,986
Wilfrid Laurier University	2,488	2,470	4,958
York University	8,639	11,441	20,080
Collège dominicain	34	11	45
Ryerson Polytechnical Institute	4,302	4,618	8,920
Ontario College of Art	583	627	1,210
Total	90,614	97,150	187,764

Part-Time Undergraduate Students – Fall 1989

	Male	Female	Total
	1,699	4,116	5,815
	1,583	3,361	4,944
	1,172	1,629	2,801
	4,757	10,160	14,917
	28	58	86
	3,783	5,889	9,672
	560	1,054	1,614
Total	31,372	59,903	91,275

Enrolment in Ontario's University System (Graduate)

Full-Time Graduate Students – Fall 1989

	Male	Female	Total
Brock University	52	31	83
Carleton University	753	569	1,322
University of Guelph	731	458	1,189
Lakehead University	76	72	148
Laurentian University	37	39	76
McMaster University	974	516	1,490
University of Ottawa	939	763	1,702
Queen's University	1,209	692	1,901
University of Toronto	3,103	2,874	5,977
Trent University	42	30	72
University of Waterloo	1,065	471	1,536
University of Western Ontario	1,238	748	1,986
University of Windsor	417	233	650
York University	992	829	1,821
Wilfrid Laurier University	159	223	382
Collège dominicain	16	—	16
Total	11,803	8,548	20,351

Part-Time Graduate Students – Fall 1989

	Male	Female	Total
	219	419	638
	654	465	1,119
	119	92	211
	50	68	118
	57	36	93
	455	296	751
	891	1,038	1,929
	289	255	544
	1,688	2,064	3,752
	3	3	6
	280	120	400
	319	366	685
	152	139	291
	867	661	1,528
	235	147	382
	7	1	8
Total	6,285	6,170	12,455

Note:

1. Enrolments are headcounts for the fall term.

2. Source: USIS/UAR

3. OISE students are included in the University of Toronto's enrolment.

Degrees Granted by Ontario Universities in 1988

Degree Type: Bachelor/1st Professional

	Agricultural/ Biological Sciences	Education/ Recreational/ Phys. Ed.	Engineering/ Applied Sciences	Fine & Applied Arts	Health Professions Occupations	Humanities and Related	Mathematics/ Physical Sciences	Social Sciences and Related	Other Not Reported	Total
Brock University	65	498	-	36	-	129	102	688	-	1,518
Carleton University	56	-	182	60	-	553	193	1,174	24	2,242
University of Guelph	887	72	74	91	-	162	124	624	19	2,053
Lakehead University	24	230	163	5	66	50	53	347	123	1,061
Laurentian University	26	228	10	9	65	139	53	405	11	946
Algoma College	-	-	-	4	-	13	6	57	-	80
Nipissing College	-	264	-	-	-	15	-	72	-	351
Collège de Hearst	-	10	-	-	-	2	-	11	-	23
McMaster University	142	134	212	59	260	401	254	1,057	45	2,564
University of Ottawa	153	561	177	95	196	559	148	1,415	70	3,374
Queen's University	248	710	352	126	177	376	152	957	-	3,098
University of Toronto	581	1,014	609	162	817	1,286	363	2,109	187	7,128
Trent University	82	-	-	26	-	353	57	475	20	1,013
University of Waterloo	91	218	588	45	60	249	707	803	296	3,057

(cont'd.)

Degree Type: Bachelor/1st Professional (cont'd.)

	Agricultural/ Biological Sciences	Education/ Recreational/ Phys. Ed.	Engineering/ Applied Sciences	Fine & Applied Arts	Health Professions Occupations	Humanities and Related	Mathematics/ Physical Sciences	Social Sciences and Related	Other Not Reported	Total
University of Western Ontario	381	852	143	74	357	676	345	1,886	206	4,920
University of Windsor	111	418	83	81	86	235	138	1,073	—	2,225
York University	49	646	—	257	—	774	393	2,843	70	5,032
Wilfrid Laurier University	23	21	—	55	—	208	33	819	2	1,161
Collège dominicain	—	—	—	—	—	12	—	—	—	12
Ryerson Polytechnical Institute	57	48	389	237	113	196	74	718	—	1,832
Total	2,976	5,924	2,982	1,422	2,197	6,388	3,195	17,533	1,073	43,690

Source: Statistics Canada USIS-GRADUATING system

Note: Graduates of Algoma, Nipissing, and Hearst colleges receive degrees from Laurentian University and OISE graduates receive degrees from the University of Toronto.

Degrees Granted by Ontario Universities in 1988

Degree Type: Master's

	Agricultural/ Biological Sciences	Education/ Recreational/ Phys. Ed.	Engineering/ Applied Sciences	Fine & Applied Arts	Health Professions Occupations	Humanities and Related	Mathematics/ Physical Sciences	Social Sciences and Related	Other Not Reported	Total
Brock University	2	143	—	—	—	3	12	8	—	168
Carleton University	10	—	52	—	—	51	17	269	—	399
University of Guelph	135	12	13	—	—	27	23	102	—	312
Lakehead University	10	20	7	—	—	5	10	21	—	73
Laurentian University	5	7	—	—	—	2	10	27	—	51
McMaster University	11	4	—	3	55	70	43	209	—	454
University of Ottawa	9	188	45	—	11	152	21	209	—	635
Queen's University	22	48	56	13	21	61	53	278	—	552
University of Toronto	43	480	211	39	196	314	93	507	—	1,883
Trent University	7	—	—	—	—	—	1	2	—	10
University of Waterloo	19	14	144	—	2	49	110	96	—	434
University of Western Ontario	14	48	23	5	57	206	34	318	—	705
University of Windsor	3	75	28	5	—	27	18	102	—	258
York University	9	25	—	31	—	49	33	652	12	811
Wilfrid Laurier University	—	—	—	—	—	36	—	151	—	187
Collège dominicain	—	—	—	—	—	3	—	—	—	3
Total	299	1,064	638	96	342	1,055	478	2,951	12	6,935

Source: Statistics Canada USIS-GRADUATING System

Note: Graduates of OISE receive degrees from the University of Toronto.

Degrees Granted by Ontario Universities in 1988

Degree Type: Doctoral

	Agricultural/ Biological Sciences	Education/ Recreational/ Phys. Ed.	Engineering/ Applied Sciences	Fine & Applied Arts	Health Professions Occupations	Humanities and Related	Mathematics/ Physical Sciences	Social Sciences and Related	Other Not Reported	Total
Carleton University	4	-	10	-	-	3	14	12	-	43
University of Guelph	53	-	1	-	-	5	5	4	-	68
McMaster University	1	-	12	-	8	15	22	21	-	79
University of Ottawa	5	4	8	-	7	29	12	18	-	83
Queen's University	7	-	8	-	3	9	14	32	-	73
University of Toronto	21	92	41	6	47	83	55	49	-	394
University of Waterloo	9	1	46	-	1	5	34	25	-	121
University of Western Ontario	5	-	10	-	14	7	19	33	-	88
University of Windsor	1	-	9	-	-	-	9	9	-	28
York University	4	-	-	-	-	13	8	34	2	61
Total	110	97	145	6	80	169	192	237	2	1,038

Source: Statistics Canada USIS-GRADUATING System

Note: Graduates of OISE receive degrees from the University of Toronto.

Brock, Lakehead, Laurentian, Trent, and Wilfrid Laurier universities did not grant doctoral degrees in 1988.

Total Degrees Granted by Ontario Universities in 1988

	Agricultural/ Biological Sciences	Education/ Recreational/ Phys. Ed.	Engineering/ Applied Sciences	Fine & Applied Arts	Health Professions/ Occupations	Humanities and Related	Mathematics/ Physical Sciences	Social Sciences and Related	Other Not Reported	Total
Brock University	67	641	-	36	-	132	114	696	-	1,686
Carleton University	70	-	244	60	-	607	224	1,455	24	2,684
University of Guelph	1,075	84	88	91	-	194	152	730	19	2,433
Lakehead University	34	250	170	5	66	55	63	368	123	1,134
Laurentian University	31	235	10	9	65	141	63	432	11	997
Algoma College	-	-	-	4	-	13	6	57	-	80
Nipissing College	-	264	-	-	-	15	-	72	-	351
Collège de Hearst	-	10	-	-	-	2	-	11	-	23
McMaster University	154	138	283	62	323	486	319	1,287	45	3,097
University of Ottawa	167	753	230	95	214	740	181	1,642	70	4,092
Queen's University	277	758	416	139	201	446	219	1,267	-	3,723
University of Toronto	645	1,586	861	207	1,060	1,683	511	2,665	187	9,405
Trent University	89	-	-	26	-	353	58	477	20	1,023
University of Waterloo	119	233	778	45	63	303	851	924	296	3,612
University of Western Ontario	400	900	176	79	428	889	398	2,237	206	5,713
University of Windsor	115	493	120	86	86	262	165	1,184	-	2,511
York University	62	671	-	288	-	836	434	3,529	84	5,904
Wilfrid Laurier University	23	21	-	55	-	244	33	970	2	1,348
Collège dominicain	-	-	-	-	-	15	-	-	-	15
Ryerson Polytechnical Institute	57	48	389	237	-	196	74	718	4	1,832
Total	3,385	7,085	3,765	1,524	2,619	7,612	3,865	20,721	1,087	51,663

Source: Statistics Canada USIS-GRADUATING System

Note: Graduates of Algoma, Nipissing, and Hearst colleges receive degrees from Laurentian University and OISE graduates receive degrees from the University of Toronto.

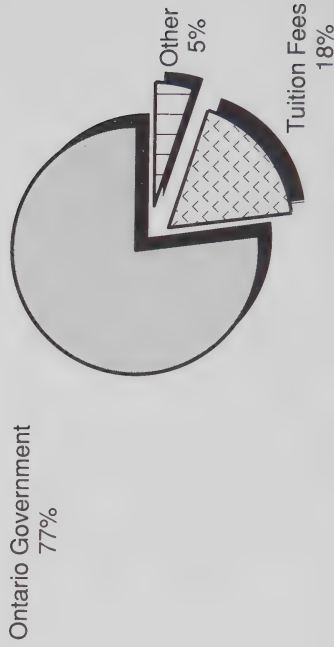
Full-Time Academic Staff at Ontario Universities and Other Related Postsecondary Institutions, 1988-89

Brock University	311	Trent University	212
Carleton University	702	University of Waterloo	887
Guelph University	757	University of Western Ontario	1,605
Lakehead University	258	Wilfrid Laurier University	285
Laurentian University	324	University of Windsor	519
• Algoma	29	York University	1,127
• Nipissing	50	OISE	151
• Hearst	14	Ontario College of Art	77
McMaster University	1,028	Collège dominicain	24
University of Ottawa	1,130	Ryerson Polytechnical Institute	693
Queen's University	1,061		
University of Toronto	2,705		
		Total	13,949

*Source: Statistics Canada

Funding of Ontario's University System

The province of Ontario provides Ontario universities and related institutions with both operating and capital grants. Over 77 per cent of university operating revenue is provided by the Ontario government, about 18 per cent is obtained from tuition fees, and the balance from non-government or federal government sources. Of the operating revenue provided by the Ontario government, approximately 94 per cent is directly or indirectly enrolment- or student-related, and the balance is targetted to overhead, program adjustment, northern mission, and bilingualism costs.



Total Operating Grants to Ontario Universities and Other Related Postsecondary Institutions, 1989-90

	Total \$	Total \$	
Brock University	35,537,083	Trent University	20,181,447
Carleton University	80,945,419	University of Waterloo	122,271,863
Guelph University	97,314,600	University of Western Ontario	165,555,677
Lakehead University	31,774,437	Wilfrid Laurier University	34,347,373
Laurentian University	38,567,749	University of Windsor	65,368,304
• Algoma	3,154,036	York University	157,704,186
• Nipissing	6,529,904	OISE	21,614,152
• Hearst	1,120,105	Ryerson Polytechnical Institute	67,390,615
McMaster University	107,751,117	Ontario College of Art	9,849,786
University of Ottawa	141,776,061	Collège dominicain*	163,132
Queen's University	112,854,436		
University of Toronto	353,110,164		
		Total	1,674,881,645

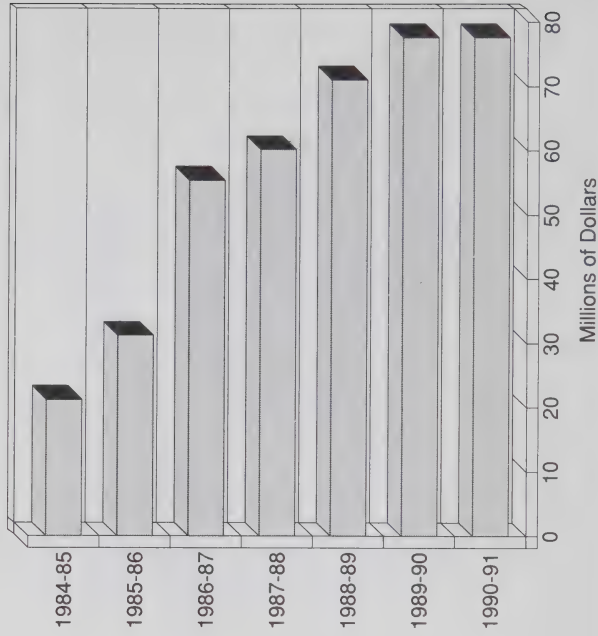
* Collège dominicain receives 50% provincial support.

Total Capital Grants to Ontario's University System

In 1984-85, total capital funding from MCU for universities amounted to \$21.2 million. In 1985-86, the year the present government took office, capital funding was increased by \$10 million to \$31.2 million. In 1986-87, university capital funding was \$55.4 million. This increased level of funding was continued in 1988-89 with an actual university capital allocation of \$71.1 million. The level of support in 1989-90 was \$77.7 million. This level of support was maintained for 1990-91.

Total Capital Funding

1984-85	21,218,000
1985-86	31,237,000
1986-87	55,429,100
1987-88	60,200,000
1988-89	71,100,000
1989-90	\$77,700,000
1990-91	\$77,700,000



Research in Ontario's University System

Policy

One of the major missions of the universities is to conduct basic and applied research. Ministry policies and programs have been established to help the universities maintain a strong research base, encourage research excellence, encourage university/industry co-operation and support the training of highly qualified personnel. The direct funding of basic research at the universities is primarily the responsibility of the federal government which is exercised through the three principal granting Councils (the Social Sciences and Humanities Research Council, the Natural Sciences and Engineering Research Council, and the Medical Research Council). The provincial government also develops specific targeted programs in response to needs and opportunities identified by government, industry, and the research community. Examples of the types of initiatives undertaken by the Ministry of Colleges and Universities are support for basic and applied

research, funding a portion of the indirect cost of research, programs to support university/industry co-operation, the establishment of centres of excellence, and support of entrepreneurial activities.

University Research Incentive Fund (URIF)

Through the University Research Incentive Fund (URIF) the ministry supports research projects at Ontario universities that have received funding from the private sector. The ministry will match the corporate dollars committed to university-based contract research.

The funding commitment is \$50 million over six years.

As of May 7, 1990, 443 projects had been assisted by URIF with a financial commitment from the Ontario Government of \$35 million.

Centres of Excellence

The program was created in 1986 by the Premier's Council, and is funded from the Technology Fund and administered by the Ministry of Industry, Trade and Technology, in consultation with the Ministry of Colleges and Universities. Its three major objectives are to stimulate advanced research, to train and develop skilled researchers, and to encourage the transfer and diffusion of technology to industry. Each centre consists of a network of internationally renowned scientists from various universities who are committed to working together on a common program of fundamental research in collaboration with industry. Seven centres were established following a competition and the total funding committed over five years amounts to \$204 million. The centres are: the Ontario Laser and Lightwave Centre, the Institute for Space and Terrestrial Science, the Manufacturing Research Corporation of Ontario, the Waterloo Centre for Groundwater Research, the Information

Technology Research Centre, the Ontario Centre for Materials Research, and the Telecommunications Research Institute of Ontario. Funding may be extended beyond the first five years following an independent review of the centres conducted in 1992.

For further information contact the Premier's Council Technology Fund at (416) 963-3721.

Centres of Entrepreneurship

Six Centres of Entrepreneurship have been established in colleges and universities across the province. The centres provide a focal point for entrepreneurship education and training on campus and in the community. They offer training courses in innovation and enterprise, and develop curriculum materials. The centres also stimulate research into entrepreneurial strategies and areas with potential for development by entrepreneurs.

Administered by the Ministry of Colleges and Universities, the entrepreneurship program has funding of \$3.6 million over a four-year period. The six centres can receive government grants on a three-to-one ratio against matching private-sector contributions. Although funding is guaranteed for four years, it is predicated on satisfactory performance, which is monitored continually by the Centres of Entrepreneurship Advisory

Committee. The Committee will also evaluate the centres after they have been in operation for two years and at the end of the four-year period. Centres of Entrepreneurship have been established at Canadore College/Nipissing College; Queen's University/ St. Lawrence College/Loyalist College; Centennial College; Lakehead University/Confederation College; York University; and Ryerson Polytechnical Institute.

International Education

Policy

International students are accepted in Ontario colleges and universities using the same criteria as those applied to Ontario residents. In the colleges, the fall 1987 full-time enrolment of international students was 983. In the fall of 1988, there were 11,025 international students enrolled in full- and part-time programs in Ontario universities. (Figures are not available for college part-time enrolment.)

The Ministry of Colleges and Universities is providing \$6 million over a five-year period (1988-93) to establish the Ontario Centre for International Business and a \$2.9-million grant over a five-year period (1989-94) to enhance the Centre for International Studies at the University of Toronto. Now in its fourth year of operation, the Ontario-Jiangsu Educational Exchange will continue to receive close to \$1 million in funding from the ministry over the next three years (1989-92).

The policy of the Ontario government is that international students should pay a higher proportion of the cost of their

education than Canadian students do. There are certain exemptions from the higher fee. Of particular note for international graduate students is a program to exempt 1,000 highly qualified students from the higher fee.

To apply for admission to an undergraduate program in an Ontario university, the international student should direct requests to:

The Ontario Universities' Application Centre
P.O. Box 1328
Guelph, Ontario
Canada N1H 7P4

To apply for admission to a graduate program in an Ontario university or to a postsecondary program at a college, the international student should request information directly from the institution.

Canadian and International Student Enrolment in Colleges of Applied Arts and Technology, 1988

Major Field of Study	Canadian Citizens	Landed Immigrant	Student Visa	Other	Status Unknown	Unavailable	Total
Technology	17,530	1,048	304	41	275	0	19,198
Business	30,643	1,726	472	38	925	2	33,806
Applied Arts	27,097	894	138	9	687	0	28,825
Health	12,459	612	4	4	99	0	13,178
Total	87,729	4,280	918	92	1,986	2	95,007

Canadian and International Student Enrolment in Ontario Universities, 1989

Major Field of Study	Canadian Citizen	Permanent Resident	Student Visa	Other Visa	Status Unknown	Total
General Arts & Science	14,743	1,323	517	119	21	16,723
Interdisciplinary Studies	21	2	-	-	-	23
General Arts	19,148	743	253	25	6	20,175
General Science	5,804	337	137	24	6	6,308
Education/Recreation/Phys. Ed.	30,013	899	179	22	3	31,116
Fine & Applied Arts	10,597	671	192	22	3	11,485
Humanities and Related	33,042	1,640	934	106	6	35,728
Social Sciences and Related	88,302	4,769	3,198	288	66	96,623
Agricultural/Biological Sciences	13,914	927	457	55	28	15,381
Engineering/Applied Science	15,565	2,227	1,648	197	37	19,674
Health Professions/Occupations	13,677	839	566	155	2	15,239
Mathematics/Physical Sciences	13,005	1,652	1,841	121	52	16,671
Not Applicable/None	23,204	1,801	394	241	77	25,717
Not Reported	934	29	18	1	-	982
Total	281,969	17,859	10,334	1,376	307	311,845

SOURCE: USIS/UAR historical profile

Total Financial Assistance to Students, 1989-90

As of March 29, 1990, 100,232 students had been issued a total of \$403,872,075 from the three largest Ontario Student Assistance Plan (OSAP) programs:

- Ontario Study Grant \$161,313,300
- Canada Student Loan \$205,544,328
- Ontario Student Loan \$37,014,447

In addition, OSAP provided assistance of \$2,114,922 through the Ontario Special Bursaries Plan and \$2,110,128 through the Ontario Work-Study Plan. The Student Awards Branch also maintains several programs besides the Ontario Student Assistance Program. These programs, and the amounts awarded thus far in 1989-90 are shown below:

	Budgeted \$	1989/90 Actual \$
Aird Scholarship	5,000	5,000
Bursary Program for Teachers in French-Language Instructional Units	100,000	104,000
Fellowships for Studying in French	1,169,000	915,000
John Charles Polanyi Prizes	75,000	75,000
Ont. Graduate Scholarships	11,900,000	11,383,200
Ont.-Que. Exchange Fellowship	76,000	89,000
Queen Elizabeth II Scholarships	54,000	54,000
Sir John A. MacDonald Graduate Fellowship in Canadian History	25,500	25,500
Teachers' Summer Bursary Program	590,000	633,196
William G. Davis Scholarship	2,000	2,000
Total		13,285,896

Government Agencies

Ontario Council on University Affairs

Established in 1974, the Ontario Council on University Affairs (OCUA) advises the Minister of Colleges and Universities and the Ontario government on funding requirements, allocation of funds, graduate and professional program approval, Ontario Graduate Scholarship funding, and any other matters pertaining to the university system. OCUA acts as a buffer between government and the 15 provincially assisted universities, Ryerson Polytechnical Institute, the Ontario College of Art, and the Ontario Institute for Studies in Education. The council is composed of a full-time chairman and 19 others who serve on a part-time basis.

Ontario Council of Regents

The Ontario Council of Regents for Colleges of Applied Arts and Technology advises the Minister of Colleges and Universities on ways to promote and encourage the well-being and effectiveness of Ontario's system of colleges of applied arts and technology. The 17-member Council of Regents also has

executive authority to appoint governors to the boards of the colleges and legislative responsibility for collective bargaining, on behalf of the 23 college boards, with faculty and support staff.

Council for Franco-Ontarian Education

The Council advises the Minister of Education and the Minister of Colleges and Universities on all matters concerning the education of Franco-Ontarians at the elementary, secondary, and postsecondary levels.

College Relations Commission

The College Relations Commission is a five-person commission that monitors and provides assistance in collective bargaining in the colleges. Negotiations occur between the Ontario Council of Regents and college academic and support staffs. The Commission also appoints fact-finders and mediators and supervises union voting.

Ministry of Colleges and Universities Distribution of 1989-90 Interim Actual Expenditures

	Actual \$*	Per Cent
Administration:		
Transfer Payments:	25,825,403	0.9%
• Universities	1,754,564,479	64.2%
• Colleges	732,665,000	26.8%
• Student Support	188,731,719	6.9%
• Other	29,092,365	1.1%
	<u>2,705,053,563</u>	
		99.1%
Total Expenditures	2,730,878,966	100.0%

*As of May 3, 1990

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